Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/16/2017 12:15 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124688	-1	1.82	124516	1.75
Blue	F	SSC	125000	123834	-1	3.14	124042	2.98
Blue	E	FITC	22946	22039	-4	2.48	980	9.78
Blue	D	PE	28770	28048	-3	2.08	1005	9.34
Blue	B	PerCP-Cy5-5	51099	50068	-3	3.50	1440	16.29
Blue	A	PE-Cy7	42312	41563	-2	5.11	643	34.63
Red	C	APC	52169	51347	-2	2.89	2953	9.68
Red	A	APC-Cy7	56705	55443	-3	2.91	1153	11.36
Violet	B	V450	14708	14000	-5	5.26	668	9.78
Violet	A	V500	58608	56547	-4	5.12	2504	7.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18962	5.87	600	2	N/A	N/A	Pass
Blue	F	SSC	61501	1.55	532	14	N/A	N/A	Pass
Blue	E	FITC	109	39.30	535	4	0.0237	267	Pass
Blue	D	PE	220	27.52	532	6	0.1775	230	Pass
Blue	B	PerCP-Cy5-5	228	43.71	628	6	0.0111	133	Pass
Blue	A	PE-Cy7	71	115.31	677	6	0.0125	15	Pass
Red	C	APC	342	28.36	596	6	0.0194	62	Pass
Red	A	APC-Cy7	126	41.78	580	4	0.0054	1849	Pass
Violet	B	V450	81	43.51	463	4	0.0447	1969	Pass
Violet	A	V500	182	25.07	492	4	0.0158	1227	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.40	-30.77	0.88
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	14.55	13.27 - 19.91	N/A	N/A	30.96	31.39	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10401

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments